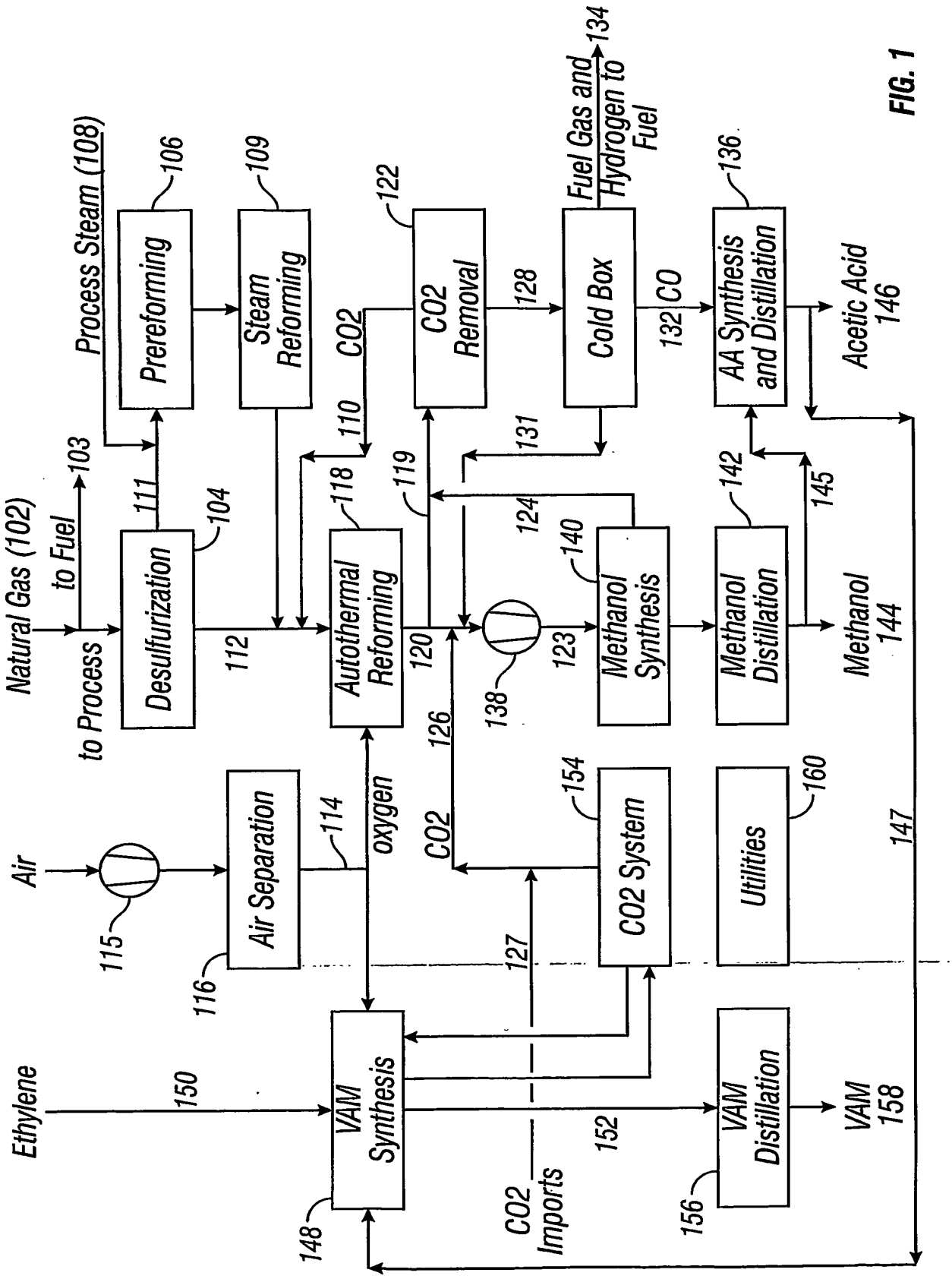
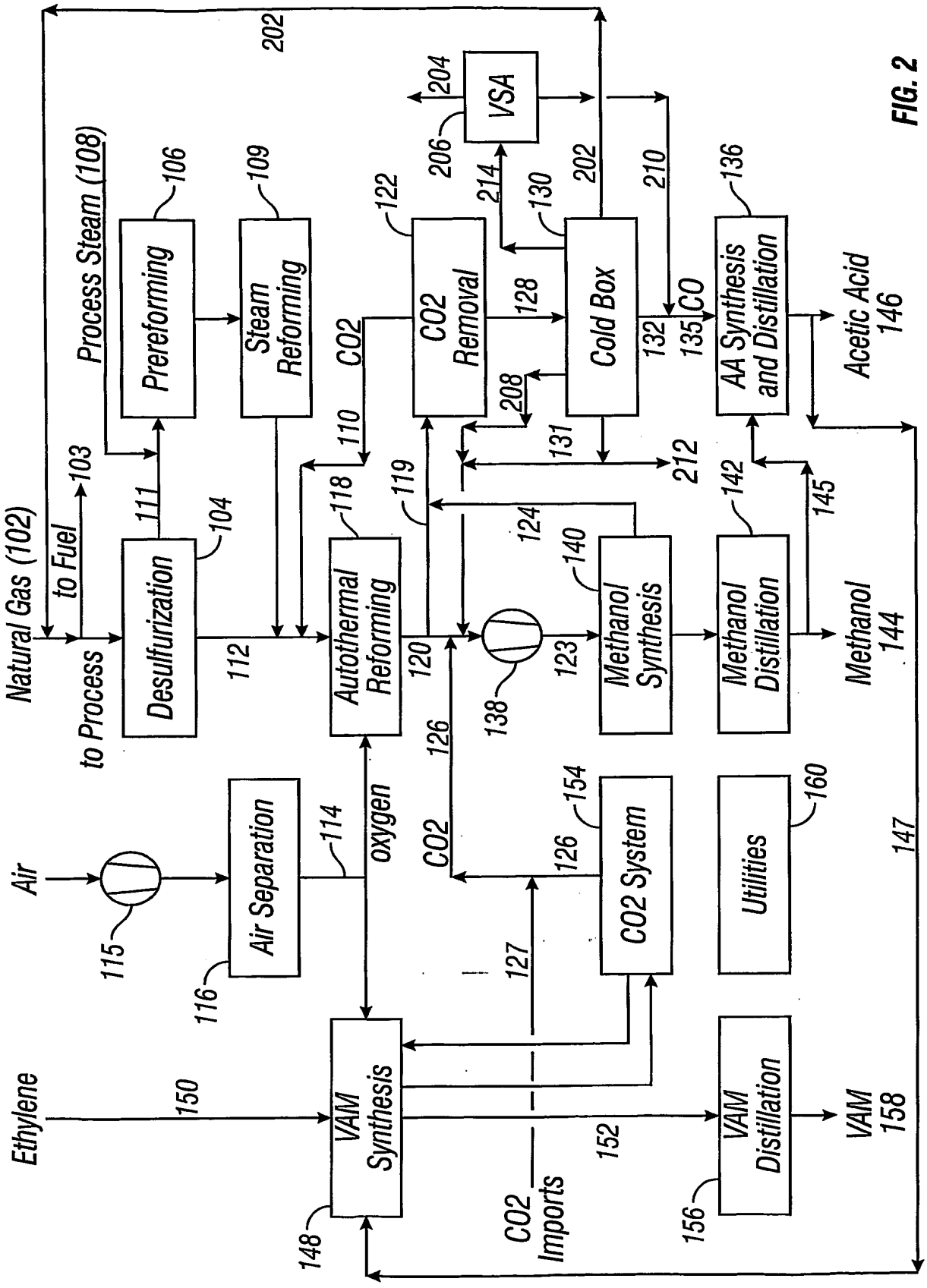

Natural Gas (102)
to Process
to Fuel
103
Process Steam (108)
Prereforming
106
Steam Reforming
109
CO2
110
CO2 Removal
122
Fuel Gas and Hydrogen to Fuel
134
Cold Box
128
CO
132
AA Synthesis and Distillation
136
Acetic Acid
146
Desulfurization
104
111
112
Autothermal Reforming
118
119
120
124
131
Methanol Synthesis
140
123
Methanol Distillation
142
145
Methanol
144
Air
115
Air Separation
114
116
oxygen
CO2
126
138
CO2 System
154
127
Utilities
160
147
Ethylene
150
VAM Synthesis
148
CO2 Imports
152
VAM Distillation
156
VAM
158

FIG. 1


Natural Gas (102)
to Fuel
103
to Process
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AA Synthesis and Distillation
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146
202
204
VSA
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214
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212
210
124
Methanol Synthesis
140
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Methanol Distillation
142
145
Methanol
144
138
Air
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Air Separation
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oxygen
126
CO2
127
CO2 System
154
Utilities
160
147
Ethylene
150
VAM Synthesis
148
152
VAM Distillation
156
VAM
158
CO2 Imports

FIG. 2